

Installation Guide

WI-PMS306GF-UPS-I

1. Package Contents

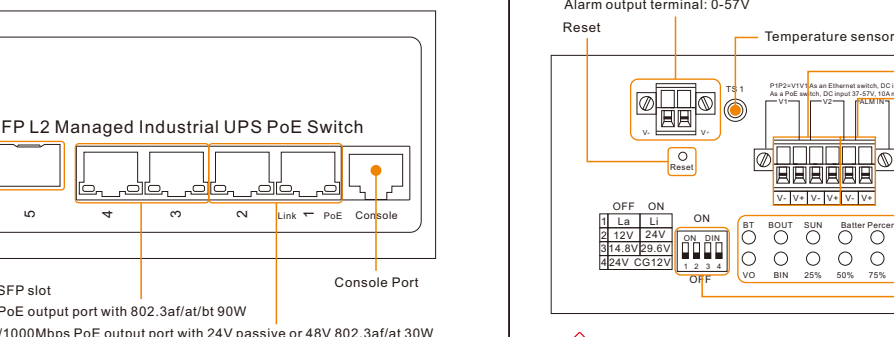
1xWI-PMS306GF-UPS-I

1xScrew Driver
1xTemperature Sensor
1xInstallation Guide



2. Hardware Introduction

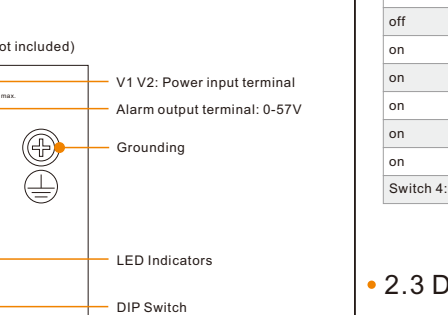
2.1 Front Panel



Ring set: Long press for less than 5 seconds to turn on the ring network, long press for 10 seconds to turn off Ring Setting.
Ring set: Provides backup links for data transmission, max 8 units, self-heal in 20ms

Port LED Indicators	Status	Description
PoE(Port 1-2)	Green	802.3af/at PoE device is connected
	Amber	End of battery discharge or no discharge
	Off	No power
Link/Act	Green	Ports link is established
	Blinking	Data on TX/RX
	Off	Ports link down
PoE 3-4	Green	Data on TX/RX
	Off	Ports link down
PWR	Green	The device power on is normal
	Off	The device is power off or failed
V1/V2	Green	The V1/V2 power is normal
	Off	The V1/V2 power is off or failed
Ring	Green	Ring setting is established
	Off	Ring setting is off or failed

2.2 Up Panel

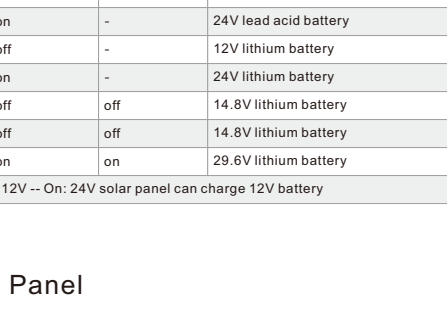


P1/P2=V1/V1 As an Ethernet switch, DC input 12-37V, 10A max.
As a PoE switch, DC input 37-57V, 10A max.

LED Indicators	Status	Description
BOUT: Battery discharge	Solid on	Battery is discharging and battery capacity is 15%
	Off	End of battery discharge or no discharge
	Blinking	1/2S: Battery capacity is ≤15%
SUN: Solar energy input	Solid on	Solar energy input is normal
	Off	No solar energy input
	Blinking	1/2S: Solar energy is in delayed charging, the time is 10mins. 1/4S: Solar power voltage is wrong, stop charging.
BIN: Battery charging	Solid on	Battery is charging and battery capacity is <98%
	Off	Battery is charged fully or no charging
	Blinking	The battery is charging, and battery capacity is ≥98%
Battery percentage	Solid on	Reference the battery capacity 25% 50% 75% 100%

P1/P2=V1/V1 As an Ethernet switch, DC input 12-37V, 10A max.
As a PoE switch, DC input 37-57V, 10A max.

2.3 Down Panel



P1/P2=V1/V1 As an Ethernet switch, DC input 12-37V, 10A max.
As a PoE switch, DC input 37-57V, 10A max.

3. Hardware Installation

Step 1: How to get 12V or 24V voltage battery?

Product	Battery type	Battery Voltage	Battery Max Charge Current
WI-PMS306GF-UPS-I	Lead acid, lithium Lead acid lithium iron(lifePo4)	12V or 24V	10A



Step 2: How to select a suitable solar panel?

Solar Panel Type	Maximum power voltage(Vmp)	26V
12V Solar Panel	Open circuit voltage(Voc)	<30V
24V Solar Panel	Maximum power voltage(Vmp)	30V
	Open circuit voltage(Voc)	≤40V
S+ S- Input Voltage		12-57V

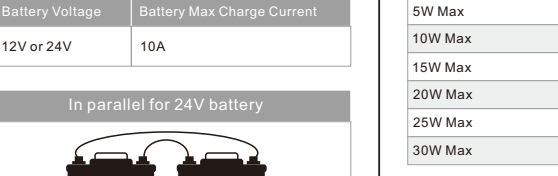
Step 3: Calculate solar panel and battery capacity

Example: Load=15W (1 pc UPS PoE switch, 2 pcs IP camera, 1 pc wireless CPE)
Sun: 8h/day, Solar Panel: 100W, Battery: 12V/40Ah = 480Wh (100%)
DAY TIME:
Battery capacity at sunrise: 0%
Charge: 100W x 8h x 70% efficiency = 560Wh
Consumption: 15W x 8h = 120Wh
Battery capacity at sunset: 560-120 = 440Wh = 93%
NIGHT TIME:
Battery capacity at sunset: 440Wh (93%)
Consumption: 15W x 16h = 240Wh
Battery capacity at sunrise: 440-240Wh = 200Wh = 42% = OK
So you can use 12V/100W solar panel with 12V/40Ah battery.

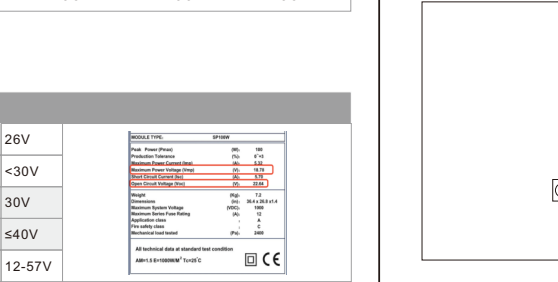
The WI-PMS306GF-UPS-I max charge current is 10A, so solar power is 300W max.

4. Hardware Installation

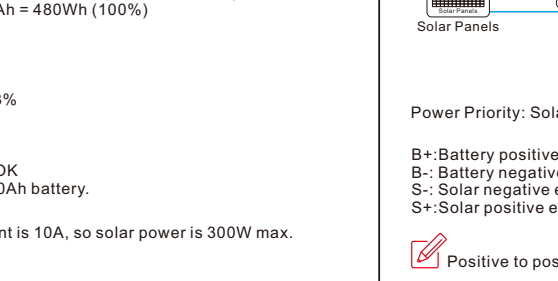
Step 1: Adjust DIP Switch



Step 2: Power on device after completing all setting.



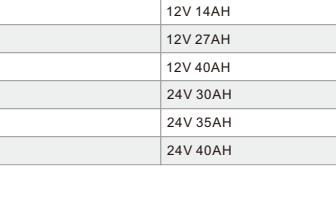
Step 3: Installing Battery



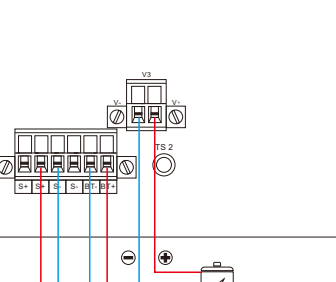
Positive to positive, negative to negative.

5. Web Management

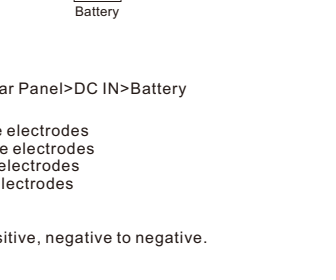
Step 1: Use Web browser to enter IP address



Step 2: When the following dialog box appears, please enter the user name "admin" and password "admin"

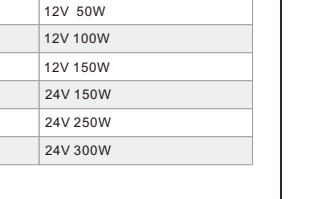


Step 3: After entering the password the main screen appears. The above page shows the information of solar power usage, PoE usage and battery capacity.

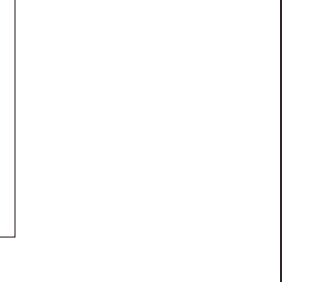


5. Web Management

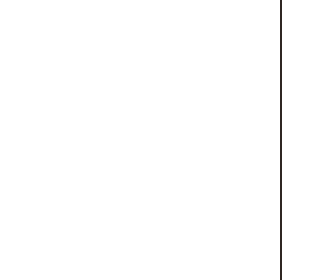
Step 4: The battery type and battery capacity will be auto display. The default of Wide Capacity CHG -- Off.



Step 5: Connect 24V/48V Clients



Step 6: Connect 802.3af/at PoE devices to ports 1-2 on the WI-PMS306GF-UPS-I



Warranty Card

Username

Username	
Address	
Telephone No.	
Purchase Shop	
Purchase Address	
Product Model No.	
Purchase Time	
Serial No.	
Dealer Signature	

If the product defects within three months after purchase, we will provide you a new product of the same model.

If the product defects within the three-year warranty period, we will provide the professional maintenance service.

Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.
Any other defects that are not caused by workmanship or product quality, such as natural disaster, water damage, extreme thermal or environmental conditions, sticker damaged, warranty card losing will disqualify the product from limited warranty.

For more configuration info, please visit: http://wireless-tek.com/

Technical Support

Company Website

Cloud Management

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